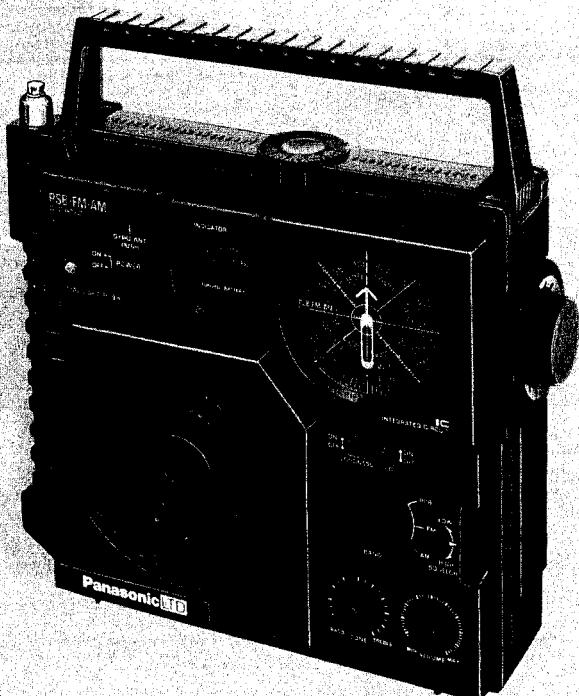


# Service Manual

**Panasonic**

## R A D I O

**Panasonic**



AC ADAPTOR.....RD-9488

# FM/AM/PSB 3-BAND PORTABLE RADIO

MODEL RF-877

## ■ SPECIFICATIONS

Frequency Range:	FM 88~108 MHz AM 525~1605 kHz PSB 148~174 MHz	Batteries:	6V(Four "C" Size Flashlight Batteries) (Panasonic UM-2 or equivalent)
Intermediate Frequency:	FM & PSB 10.7 MHz AM 455 kHz	Power Consumption:	2W at 120V (AC Only)
Sensitivity:	FM $1\mu\text{V}$ for 50mW Output AM $30\mu\text{V}/\text{m}$ for 50mW Output PSB $3\mu\text{V}$ for 50mW Output	Speaker: Dimensions: Weight: Impedance:	4" PM Dynamic Speaker $8\frac{11}{16}$ "(Wide) $\times 7\frac{7}{8}$ "(High) $\times 3\frac{1}{16}$ "(Deep) 3 lb. 12 oz. with batteries Speaker ..... 8 $\Omega$ Earphone Jack ..... 8 $\Omega$

Specifications are subject to change without notice for further improvement.

**Matsushita Electric Corp. of America**

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## ■ TO REMOVE CABINET COVER

1. Remove volume, tone and band selector knobs from cabinet.  
(Attach cord to the knob and pull it out forward.)
2. Remove battery cover.
3. Remove four (4) cabinet cover screws, nos. 1~4, as illustrated in fig. 1.
4. Remove cabinet back cover.
5. Set power switch to ON position.
6. Remove cabinet front cover.
7. Pull out socket from speaker terminals.
8. To reassemble, reverse the above procedure.

## ■ TO REMOVE DIAL DRIVE ASSEMBLY

1. Remove cabinet covers. (Refer to cabinet covers removal instructions.)
2. Remove tuning knob.
3. Remove dial drive assembly screw, no. 2 as illustrated in fig. 2.
4. Remove three (3) dial drive assembly screws, nos. 1~3, as illustrated in fig. 4.
5. Remove dial drive assembly.
6. Remove dial scale and back plate screw, no. 1, as illustrated in fig. 2.
7. To reassemble, reverse the above procedure and read the following notes.

Notes:

1. When mounting dial drive assembly, turn dial gear to fully counter-clockwise and tuning shaft to fully clockwise.
2. When mounting dial scale, turn tuning shaft to fully clockwise, then set start points as illustrated in fig.7.

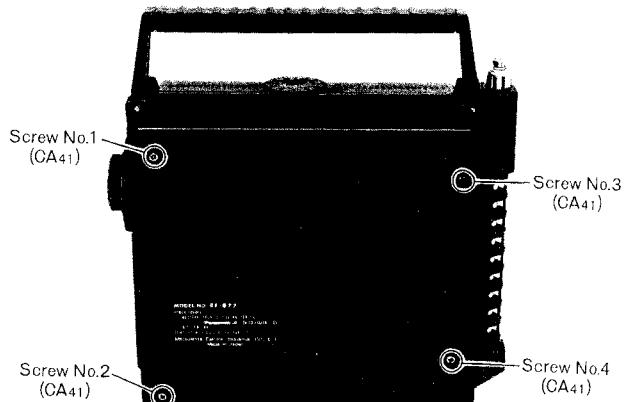


Fig. 1

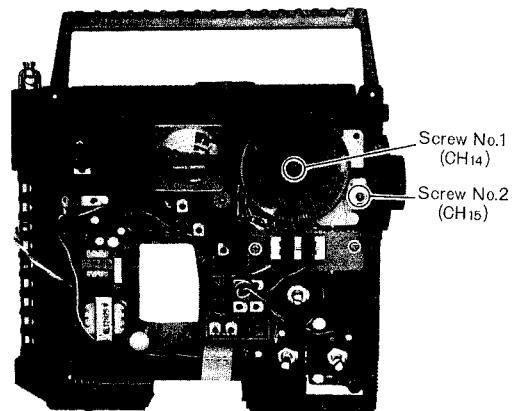


Fig. 2

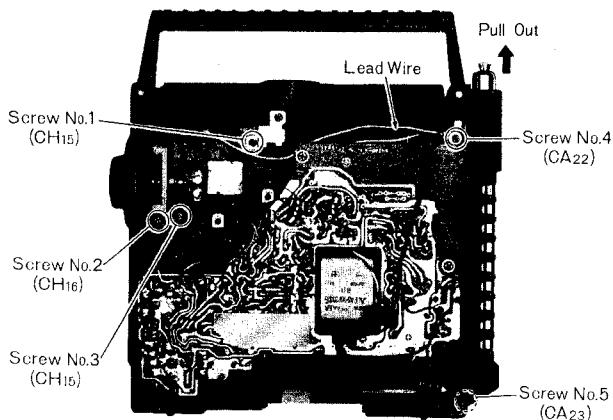


Fig. 4

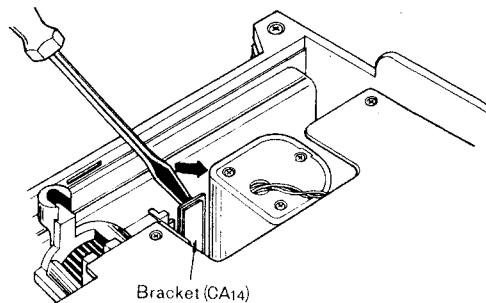


Fig. 3

### ■ TO REMOVE GYRO ANTENNA CASE

1. Remove cabinet cover. (Refer to cabinet cover removal instructions.)
2. Unsolder three (3) lead wires between core antenna and PC board at PC board side.
3. Remove dial scale and back plate.
4. Remove meter.
5. Remove bracket (CA 14) by driver as illustrated in fig. 3.
6. Remove E ring (CA 13) by driver as illustrated in fig. 5.
7. Remove gyro antenna case.
8. To reassemble, reverse the above procedure.

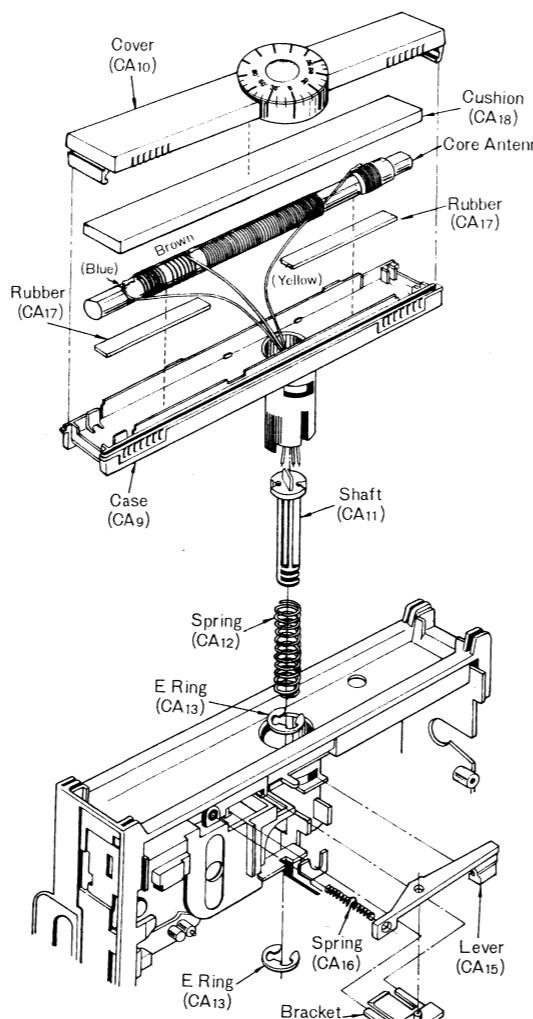


Fig. 5

### ■ TO REMOVE CORE ANTENNA

1. Push the antenna pop-up button.
2. Remove gyro antenna case cover by driver as illustrated in fig. 6.
3. Unsolder three (3) lead wires from PC board.
4. To reassemble, reverse the above procedure and read the following note.

Note: When mounting core antenna to antenna case, wiring three (3) lead wires as illustrated in fig. 5.

### ■ TO REMOVE WHIP ANTENNA

1. Remove cabinet back cover. (Refer to cabinet cover removal instructions.)
2. Unsolder lead wire to whip antenna terminal, as illustrated in fig. 4.
3. Remove two (2) whip antenna cover screws, nos. 4 & 5, as illustrated in fig. 4.
4. Pull out whip antenna in the direction of arrow, as illustrated in fig. 4.
5. Remove whip antenna from whip antenna cover.
6. To reassemble, reverse the above procedure.

### ■ DIAL CORD INSTALLATION GUIDE

1. Remove dial drive assembly from chassis. (Refer to dial drive assembly removal instructions.)
2. Dial cord length is  $31\frac{1}{2}$ ".
3. Turn dial drum to fully clockwise.
4. Arrows (1~10) indicate correct order and direction of dial cord installation, as illustrated in fig. 8.
5. Cement dial cord ends.

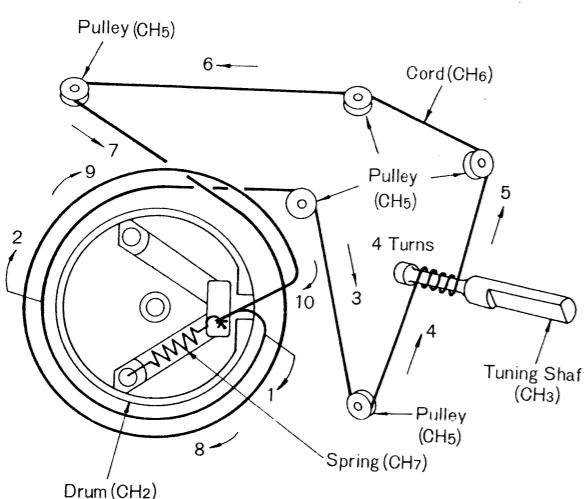


Fig. 8

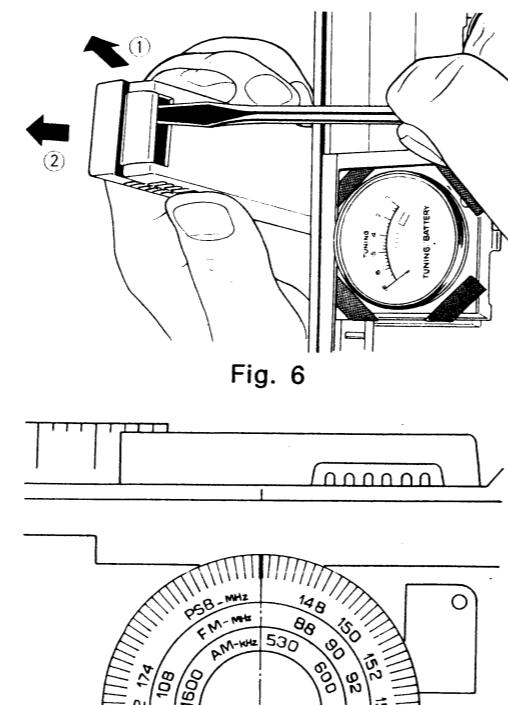
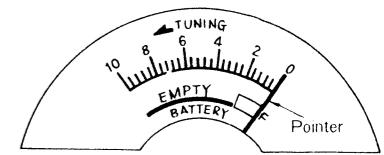


Fig. 7

### ■ TUNING/BATTERY METER ADJUSTMENT

1. RADIO RECEIVER SETTING
  - Set band selector switch to FM.
  - Set volume control to minimum.
  - Set power source voltage to 6 volts DC.
  - Set power switch to ON.
2. REMARKS
 

Adjust R<sub>46</sub> so that the pointer of level meter stays as shown in figure right.



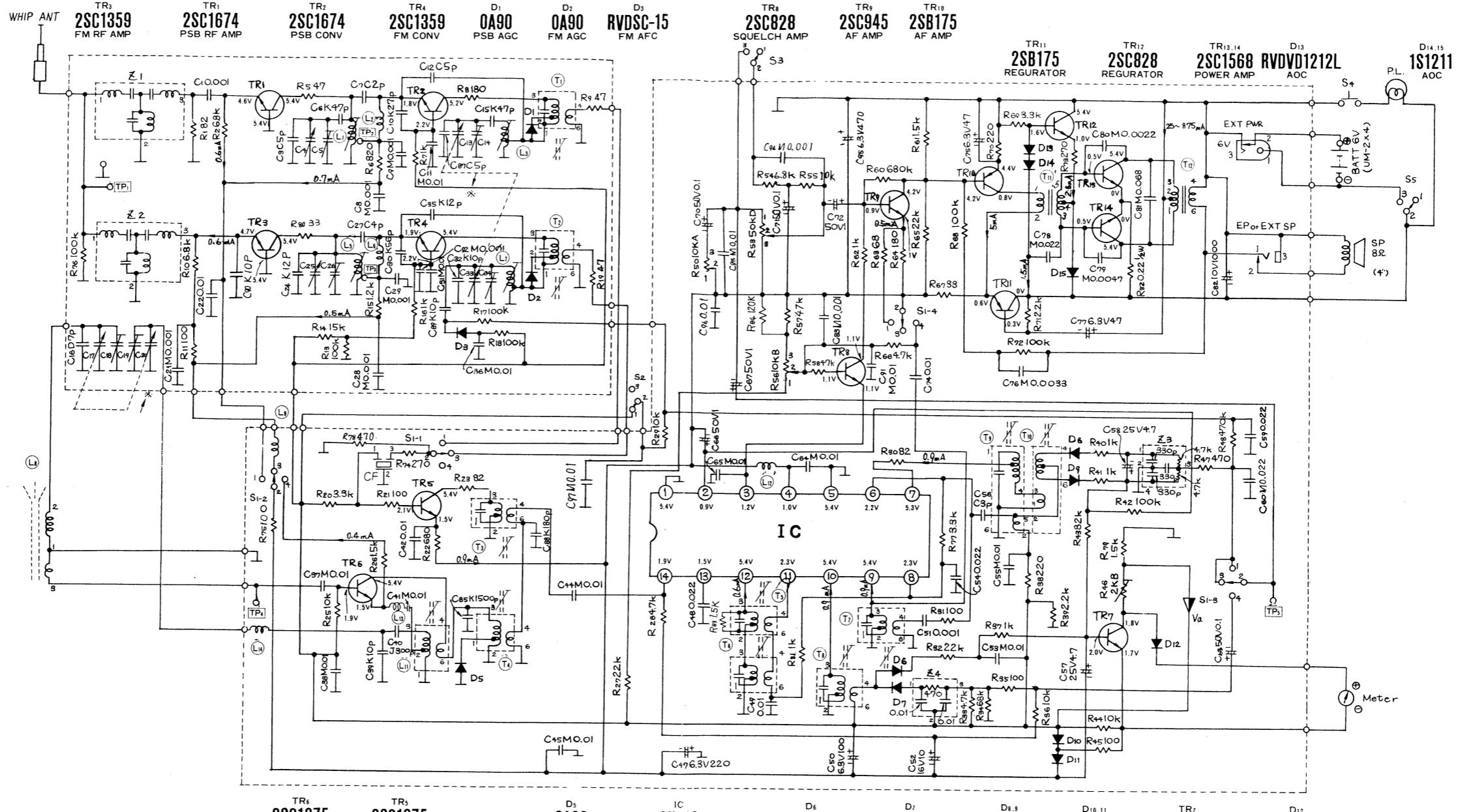
### ■ ALIGNMENT INSTRUCTIONS

#### READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

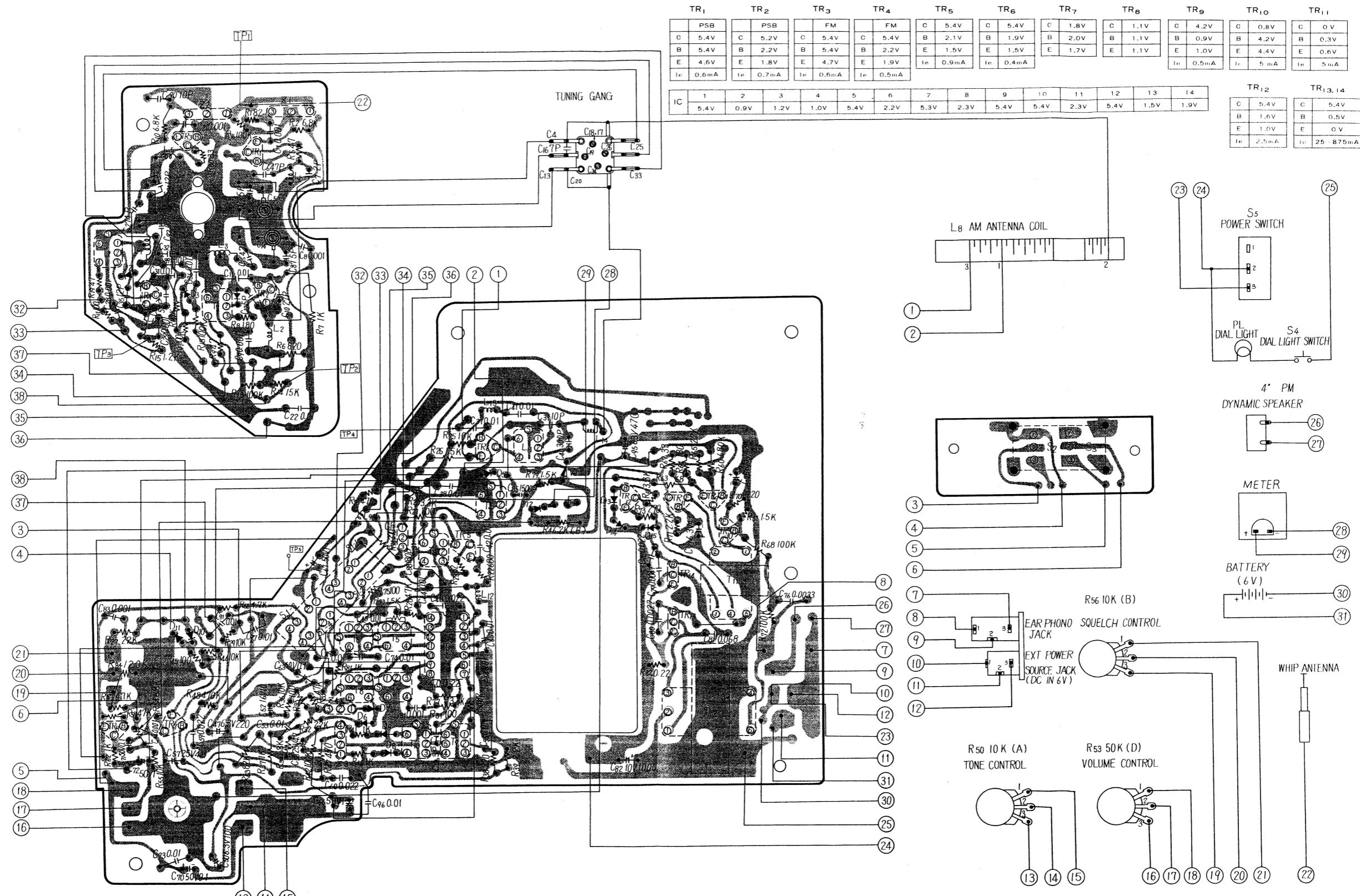
Notes:					
1.	Set volume control to maximum.	5.	Set loudness switch to OFF.		
2.	Set tone control to treble.	6.	Set power switch to ON.		
3.	Set band selector switch to AM, FM or PSB.	7.	Set power source voltage to 6 volts DC.		
4.	Set squelch control to low.	8.	Set AFC switch to OFF.		
	SIGNAL GENERATOR or SWEEP GENERATOR	RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY				
AM ALIGNMENT					
(1)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 Hz.	Point of non-interference. (on/about 600 kHz)	Output meter across earphone jack.	T <sub>4</sub> (1st IFT) T <sub>6</sub> (2nd IFT) T <sub>8</sub> (3rd IFT)
(2)	"	550 kHz [Fig. 10]	"	"	L <sub>11</sub> (OSC Coil) (*)L <sub>8</sub> (ANT Coil)
(3)	"	1500 kHz [Fig. 11]	"	"	C <sub>19</sub> (OSC Trimmer) C <sub>18</sub> (ANT Trimmer)
(* 1) Cement antenna bobbin with wax after completing alignment.					
FM-IF ALIGNMENT					
(4)	High side thru. 0.001 $\mu$ F to point <b>TP<sub>3</sub></b> , Common to point <b>E</b> .	10.7 MHz (400 kHz SWP.)	Point of non-interference. (on/about 90 MHz)	Connect vert. amp. of scope to point <b>TP<sub>5</sub></b> , Common to chassis.	T <sub>2</sub> (FM 1st IFT) T <sub>3</sub> (FM 2nd IFT) T <sub>5</sub> (FM 3rd IFT) T <sub>7</sub> (FM 4th IFT) T <sub>9</sub> (FM 5th IFT) (Primary)
(5)	"	"	"	"	T <sub>10</sub> (FM 5th IFT) (Secondary)
PSB-IF ALIGNMENT					
(6)	High side thru. 0.001 $\mu$ F to point <b>TP<sub>2</sub></b> , Common to point <b>E</b> .	"	Point of non-interference.	"	T <sub>1</sub> (PSB 1st IFT)
FM-RF ALIGNMENT					
(7)	Connect to point <b>TP<sub>1</sub></b> through FM Dummy antenna. Common to point <b>E</b> . (Refer to fig. 18).	90 MHz [Fig. 12]	Output meter across voice coil.	L <sub>7</sub> (FM OSC Coil) L <sub>5</sub> (FM DET Coil)	(*) <sub>2</sub> Adjust for maximum output.
(8)	"	106 MHz [Fig. 13]	"	C <sub>34</sub> (FM OSC Trimmer) C <sub>26</sub> (FM DET Trimmer)	(*) <sub>2</sub> Adjust for maximum output. Repeat steps (7) and (8).
PSB-RF ALIGNMENT					
(9)	Connect to point <b>TP<sub>1</sub></b> through FM Dummy antenna. Common to chassis. (Refer to fig. 18).	150 MHz [Fig. 14]	Output meter across voice coil.	L <sub>3</sub> (PSB OSC Coil) L <sub>1</sub> (PSB DET Coil)	(*) <sub>2</sub> Adjust for maximum output.
(10)	"	170 MHz [Fig. 15]	"	C <sub>14</sub> (PSB OSC Trimmer) C <sub>5</sub> (PSB DET Trimmer)	(*) <sub>2</sub> Adjust for maximum output. Repeat steps (9) and (10).

(\* 2) Three output responses will be present; proper tuning is the center frequency.

# Schematic Diagram - Model RF-877



# Circuit Board Wiring View – Model RF-877



TR, D & IC	TR <sub>8</sub> D <sub>2</sub> TR <sub>4</sub> D <sub>2</sub> TR <sub>7</sub> D <sub>3</sub> TR <sub>1</sub> D <sub>1</sub> TR <sub>2</sub> D <sub>11</sub> D <sub>10</sub>	D <sub>6</sub> D <sub>7</sub> D <sub>8</sub> D <sub>9</sub>	IC	TR <sub>5</sub> TR <sub>6</sub> D <sub>5</sub>	D <sub>12</sub> D <sub>13</sub> D <sub>14</sub>	TR <sub>12</sub> D <sub>15</sub>	TR <sub>11</sub> TR <sub>14</sub> TR <sub>13</sub> TR <sub>9</sub> TR <sub>10</sub>
T & L	T <sub>2</sub> L <sub>6</sub> L <sub>7</sub> L <sub>5</sub> T <sub>1</sub> L <sub>3</sub> L <sub>2</sub> L <sub>1</sub>	T <sub>6</sub> T <sub>8</sub> T <sub>5</sub> L <sub>9</sub> T <sub>7</sub> T <sub>10</sub>	T <sub>3</sub>	T <sub>9</sub> L <sub>13</sub> T <sub>4</sub> L <sub>12</sub> L <sub>11</sub>	L <sub>14</sub>	T <sub>11</sub> T <sub>12</sub>	L <sub>8</sub>

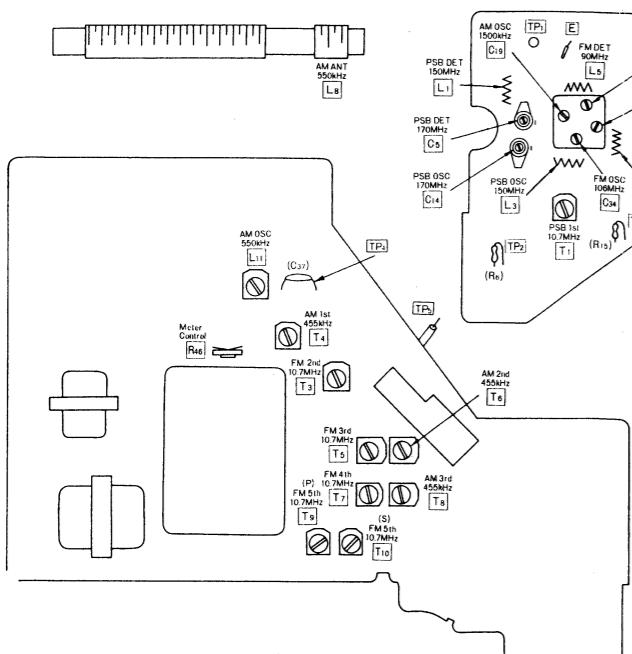


Fig. 9 Alignment Points

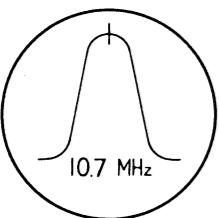


Fig. 16

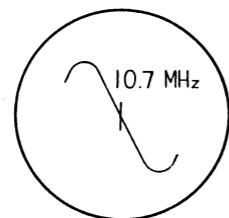


Fig. 17

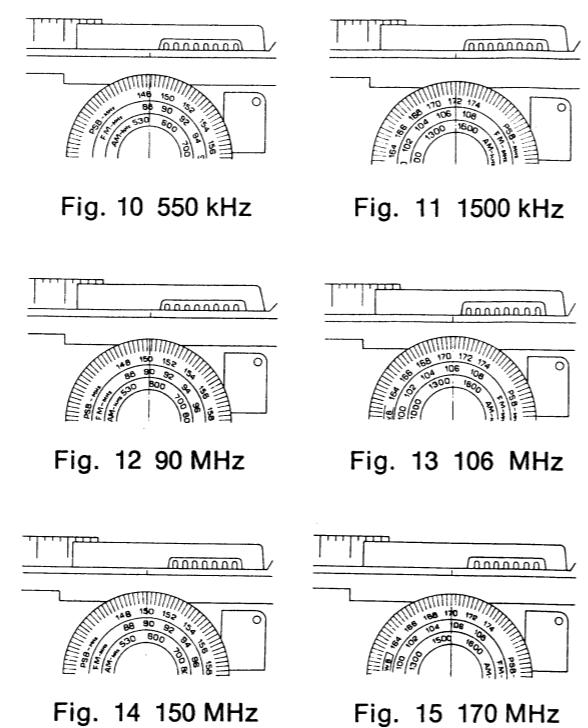


Fig. 10 550 kHz

Fig. 11 1500 kHz

Fig. 12 90 MHz

Fig. 13 106 MHz

Fig. 14 150 MHz

Fig. 15 170 MHz

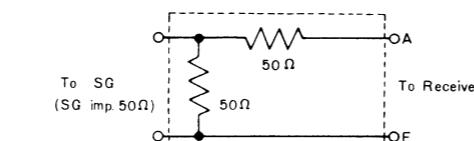
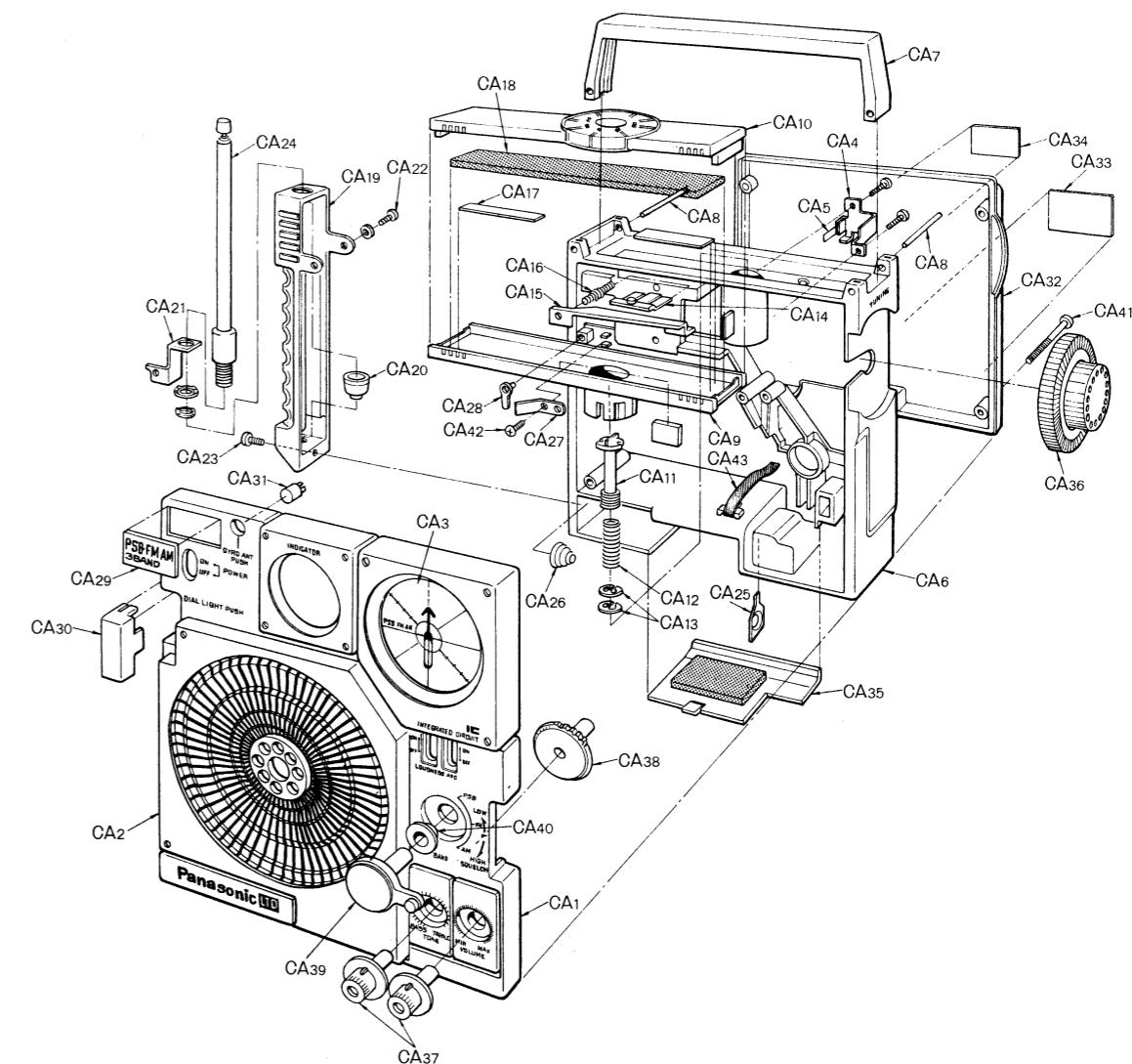
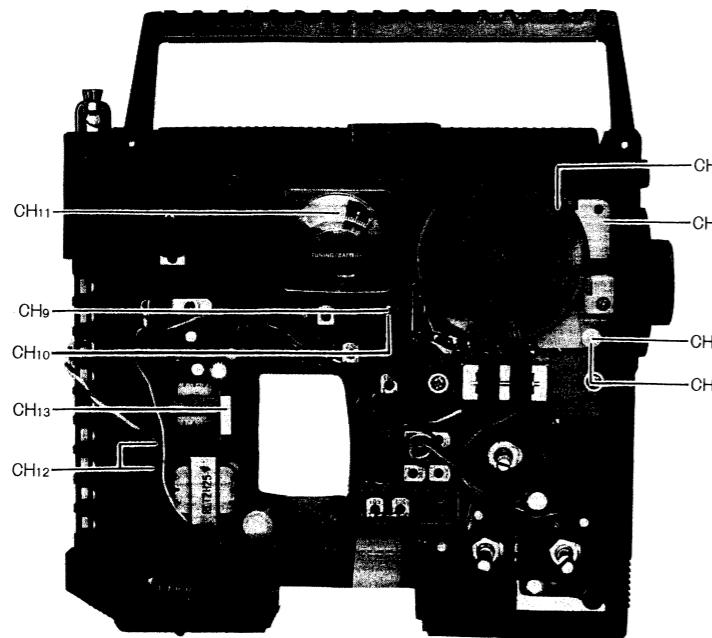


Fig. 18 FM Dummy Antenna

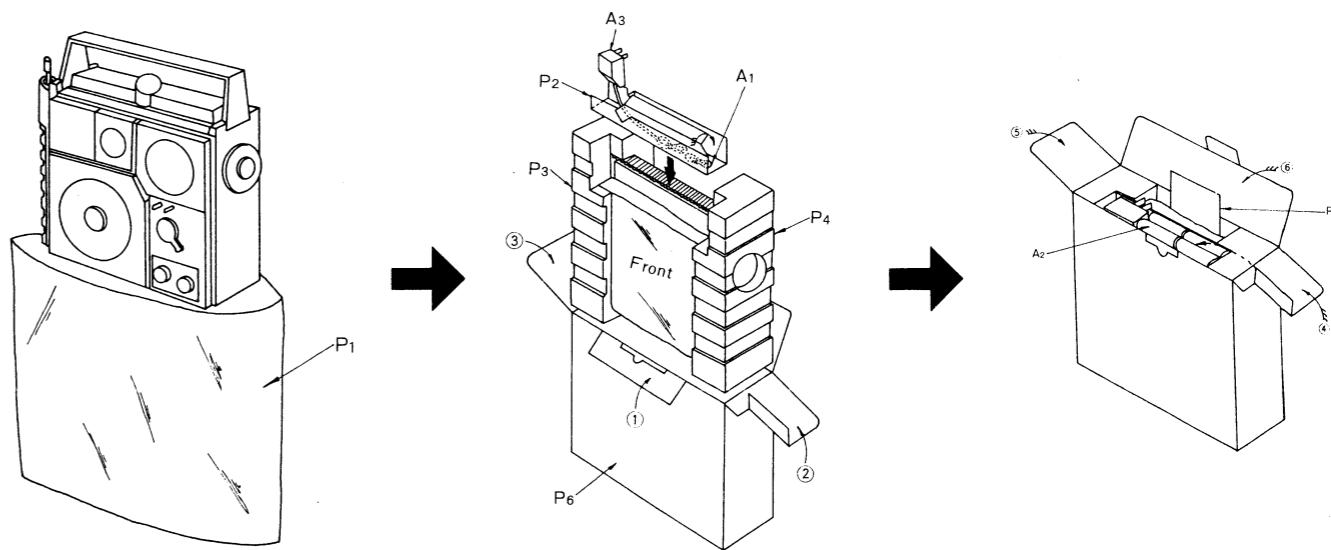
## ■ CABINET PARTS LOCATIONS



## ■ CHASSIS PARTS LOCATIONS



## ■ ACCESSORIES & PACKING PARTS LOCATIONS



## REPLACEMENT PARTS LIST

<b>NOTES:</b> <ol style="list-style-type: none"> <li>Part numbers are indicated on most mechanical parts.</li> <li>Please use this part number for parts orders.</li> <li><b>SAFETY</b> Indicates that only parts specified by the manufacturer be used for replacement in critical circuit.</li> </ol>				

Ref.No.	Part No.	Description	Per Set	Remarks
<b>INTEGRATED CIRCUIT, TRANSISTORS AND DIODES</b>				
IC	AN210	AM/FM IF Amplifier	1	
TR1,2	2SC1674	P.S.B. RF Amplifier, P.S.B. Converter	2	○
TR3,4	2SC1359	FM RF Amplifier, FM Converter	2	
TR5,6	2SC1675	FM IF Amplifier, AM Converter	2	○
TR7,8,12	2SC828	Meter Amplifier, Squelch Amplifier, Regulator	3	
TR9	2SC945	AF Amplifier	1	
TR10,11	2SB175	AF Amplifier, Regulator	2	
TR13,14	2SC1568	Power Amplifier	2	○
D1,2,5,6,7	0A90	P.S.B. AGC, FM AGC, AM AGC, AM Rectifier, AM Detector & AGC	5	
D3	RVDSC-15	FM AFC.	1	
D8,9	2-0A90	FM Detector	1	pair
D10,11,12,14,15	1S1211	Operation Compensator, Meter Operation Compensator, Power Operation Compensator	5	
D13	RVDVD1212L	Power Operation Compensator	1	
<b>VARIATITE</b>				
Va	EYV320D1R2J2	Variatite	1	
<b>CERAMIC FILTER, COILS AND TRANSFORMERS</b>				
CF	RVF107MFB	Ceramic Filter	1	
L1	RLD4Y43	P.S.B. Detector Coil	1	
L2,6	RLQY30S1-0	Choke Coil	2	
L3	RLQY44	P.S.B. Oscillator Coil	1	
L5	RLD4Y44	FM Detector Coil	1	
L7	RLQY43	FM Oscillator Coil	1	
L8	RLF2X5-0	AM Antenna Coil	1	○
L9,12,13	RLQY75S5	Choke Coil	3	
L11	RL02M1	AM Oscillator Coil	1	
L14	RLQY25S5-0	Choke Coil	1	
T1,2	RL14M101	P.S.B./FM 1st IF Transformer	2	
T3,5,7	RL14M301	FM-P.S.B. 2nd,3rd,4th IF Transformer	3	
T4	RL12M203	1st AM IF Transformer	1	○
T6	RL12M205	2nd AM IF Transformer	1	
T8	RL12M402	3rd AM IF Transformer	1	
T9	RL14M501	FM-P.S.B. 5th IF Transformer, Primary	1	
T10	RL14M502	FM-P.S.B. 5th IF Transformer, Secondary	1	
T11	RLT3F30-V	Input Transformer, P=700Ω:S=1KΩ	1	
T12	RLT2H25-V	Output Transformer, P=25Ω:S=8Ω	1	
<b>VARIABLE RESISTORS</b>				
R53	RVV54D38-A	50KΩ (D), Volume Control	1	○
R50	RVV14A39-A	10KΩ (A), Tone Control	1	○
R46	EVLT4AA00B23	2KΩ (B), Meter Control	1	○
R56	EVH89AF35B14	10KΩ (B), Squelch Control	1	○
<b>VARIABLE CAPACITORS</b>				
C4,13,17,20,25,33	RCV2X-4216TM	Tuning Gang, W/Trimmer (C18,19,26,34)	1	
C5,14	ECV1ZW10X32	Trimmer	2	
<b>COMPONENT COMBINATIONS</b>				
Z1	RXABPF17402I	Coils & Capacitors	1	
Z2	RXABPF10801H	Coils & Capacitors	1	
Z3	EXA5DL04C	330pF×3, 4.7KΩ×2	1	
Z4	EXAF20Z471R	0.01μF×2, 470Ω	1	
<b>SPEAKER</b>				
SP	EAS10P31SG	4" PM Dynamic Speaker, Imp. 8Ω	1	○
<b>SWITCHES</b>				
S1-1~S1-4	RSR100ZK-A	Band Selector Switch	1	○
S2,3	RST36A-P	AFC & Loudness Switch	1	○
S5	RST33ZS-F	Power Switch	1	○

Ref.No.	Part No.	Description	Per Set	Remarks
<b>RESISTORS</b>				
R26	ERD18SJ152	1.5KΩ, 1/2Watt, ±5%, Carbon	1	
R63	ERD18SJ680	68Ω, 1/2Watt, ±5%, Carbon	1	
R21	ERD18SJ101	100Ω, 1/2Watt, ±5%, Carbon	1	
R30	ERD18SJ820	82Ω, 1/2Watt, ±5%, Carbon	1	
R37	ERD18SJ102	1KΩ, 1/2Watt, ±5%, Carbon	1	
R47	ERD18SJ471	470Ω, 1/2Watt, ±5%, Carbon	1	
R67,80	ERD18VJ330	33Ω, 1/2Watt, ±5%, Carbon	2	
R1,23	ERD18VJ820	82Ω, 1/2Watt, ±5%, Carbon	2	
R64	ERD18VJ181	180Ω, 1/2Watt, ±5%, Carbon	2	
R5,9,19	ERD18VJ470	47Ω, 1/2Watt, ±5%, Carbon	3	
R11,31,35,45	ERD18VJ101	100Ω, 1/2Watt, ±5%, Carbon	4	
R38,70	ERD18VJ221	220Ω, 1/2Watt, ±5%, Carbon	2	
R22	ERD18VJ681	680Ω, 1/2Watt, ±5%, Carbon	1	
R40,41,62,81	ERD18VJ102	1KΩ, 1/2Watt, ±5%, Carbon	4	
R61,79	ERD18VJ152	1.5KΩ, 1/2Watt, ±5%, Carbon	2	
R39,71	ERD18VJ222	2.2KΩ, 1/2Watt, ±5%, Carbon	2	
R20,69,77	ERD18VJ332	3.3KΩ, 1/2Watt, ±5%, Carbon	3	
R28,33,66	ERD18VJ472	4.7KΩ, 1/2Watt, ±5%, Carbon	3	
R2,10,54	ERD18VJ682	6.8KΩ, 1/2Watt, ±5%, Carbon	3	
R25,29,36,44	ERD18VJ103	10KΩ, 1/2Watt, ±5%, Carbon	5	
R55	ERD18VJ223	22KΩ, 1/2Watt, ±5%, Carbon	3	
R27,32,65	ERD18VJ473	47KΩ, 1/2Watt, ±5%, Carbon	2	
R57,58	ERD18VJ683	68KΩ, 1/2Watt, ±5%, Carbon	1	
R34	ERD18VJ104	100KΩ, 1/2Watt, ±5%, Carbon	6	
R7,26	ERD18VJ474	470KΩ, 1/2Watt, ±5%, Carbon	1	
R48	ERD18VJ271	270Ω, 1/2Watt, ±5%, Carbon	1	
R60	ERD18VJ684	680KΩ, 1/2Watt, ±5%, Carbon	1	
R78	ERD18VJ471	470Ω, 1/2Watt, ±5%, Carbon	1	
R6	ERD18TJ3821	820Ω, 1/2Watt, ±5%, Carbon	1	
R43	ERD18TJ823	82KΩ, 1/2Watt, ±5%, Carbon	1	
R75	ERD18TJ101	100Ω, 1/2Watt, ±5%, Carbon	1	
R7,16	ERD18TJ102	1KΩ, 1/2Watt, ±5%, Carbon	2	
R84	ERD18TJ124	120KΩ, 1/2Watt, ±5%, Carbon	1	
R82	ERX12ANJR22U	0.22Ω, 1/2Watt, ±5%, Metal Oxied	1	
R74	ERD18TJ271	270Ω, 1/2Watt, ±5%, Carbon	1	
R83	ERD18TJ152	1.5KΩ, 1/2Watt, ±5%, Carbon	1	
R14	ERD18VJ153	15KΩ, 1/2Watt, ±5%, Carbon	1	
R15	ERD18TJ122	1.2KΩ, 1/2Watt, ±5%, Carbon	1	
R42	ERD18TJ104	100KΩ, 1/2Watt, ±5%, Carbon	1	
<b>CAPACITORS</b>				
O7	ECCD1H020C	2PF, 50WV, ±0.25PF, Ceramic	1	
C56	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	1	
C27	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1	
C12	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic	1	
C16	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	1	
C32,39,89,90	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	4	
C24,35	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	2	
C6,15	ECCD1H470KC	47PF, 50WV, ±10%, Ceramic (USA Only)	2	
C30	ECCD1H560K	56PF, 50WV, ±10%, Ceramic	1	
C88	ECCD1H181K	180PF, 50WV, ±10%, Ceramic	1	
C10	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1	
C1,51	ECDK1H102PF	0.001μF, 50WV, ±100%, Ceramic	2	
C22,42,49,74	ECKE1H103PF	0.01μF, 50WV, ±100%, Ceramic	5	
C48,54,59	ECKE1H223PF	0.022μF, 50WV, ±100%, Ceramic	3	
C8,9,21,28,29,83,92,94	ECKE1H102MD	0.001μF, 50WV, ±20%, Ceramic	8	
C80	ECKE1H222MD	0.0022μF, 50WV, ±20%, Ceramic	1	
C76	ECKE1H332MD	0.0033μF, 50WV, ±20%, Ceramic	1	
C79	ECKE1H472MD	0.0047μF, 50WV, ±20%, Ceramic	1	
C11,31,36,37,38,41,44,45,53,55,64,65,91,93,97	ECKE1H103MD	0.01μF, 50WV, ±20%, Ceramic	15	
C60,78	ECKE1H223MD	0.022μF, 50WV, ±20%, Ceramic	2	
C81	ECQG05683MZ	0.068μF, 50WV, ±20%, Polyester	1	
C40	ECOS1301JZ	300PF, 125WV, ±5%, Styrol	1	
C85	ECQS1152KZ	1500PF, 125WV, ±10%, Styrol	1	
C82	ECEA10V1000	1000μF, 10WV, Electrolytic	1	
C47	ECEA6V220	220μF, 6.3WV, Electrolytic	1	
C50	ECEA6V100	100μF, 6.3WV, Electrolytic	1	
C75,77	ECEA6V47	47μF, 6.3WV, Electrolytic	2	
C52	ECEA16V10	10μF, 16WV, Electrolytic	1	
C57,58	ECEA25V4R7	4.7μF, 25WV, Electrolytic	2	
C66,67,72	ECEA50V1	1μF, 50WV, Electrolytic	3	
C63,70,71	ECEA50ZR1	0.1μF, 50WV, Electrolytic	3	
C95	ECEA6V470	4.7μF, 6.3WV, Electrolytic	1	
C3,87	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic (USA Only)	2	
C3	ECCD1H070DC	7PF, 50WV, ±0.25PF, Ceramic (CANADA Only)	1	
C87	ECCD1H030CC	3PF, 50WV, ±0.25PF, Ceramic (CANADA Only)	1	

Ref.No.	Part No.	Description	Per Set	Remarks	Ref.No.	Part No.	Description	Per Set	Remarks
<b>CABINET</b>									
CA1	RYFF877M	Cabinet Front Cover Assembly	1		CH1	RYDF877M	Dial Drive Assembly	1	
CA2	Not Available Order, RYFF877M	Cabinet Front Cover Only	(1)			Base		(1)	
CA3		Grille, Cabinet Front	(1)		CH2	RDD4010Z	Drum, Dial	1	
		Panel, Dial	(1)		CH3	RDT9069Z	Shaft, Tuning	1	
CA4	RXE877M	Baffle, Speaker	(1)		CH4	RDY31A	Shaft, Pulley	5	
	Not Available Order, RXE877M	Bracket Assembly, P.C. Board	1		CH5	RDR21-1	Pulley, Dial	5	
CA5		Bracket	(1)			XUC5	E. Ring, Drum M'tg	1	
CA6	RKM354Z	Stopper (Plastic), Gyro Antenna	(1)			XUC5FY	E. Ring, Tuning Shaft M'tg	1	
CA7	RKH74Z	Cabinet Body Only	1		CH6	RDZ05A	Cord, Dial (500m)	1 Roll	
CA8	RKT71A	Handle	1		CH7	RDS4060A	Spring, Dial Drum	1	
CA9	RKE118Z	Shaft, Handle M'tg	2			RDH88Z	Dial Back Plate	1	
CA10	RKE117Z	Case, Gyro Antenna	1		CH8	RKD272W	Scale, Dial	1	
CA11	RUB88Z	Cover, Gyro Antenna Case	1		CH9	XAMR96T150	Pilot Lamp, Dial Light 6V 100mA	1	
CA12	RDS5390A	Shaft (Plastic), Gyro Antenna Case	1		CH10	RHG211	Rubber, Pilot Lamp	1	
CA13	XUC8FW	Spring, Gyro Antenna Case	1		CH11	RSM2605B-W	Meter, Tuning & Battery	1	
CA14	RUB77A	E. Ring, Gyro Antenna Case M'tg	2		CH12	RJJ85A-C	Jack, Earphone & DC IN 6V	1	
CA15	RUB79A	Bracket, Gyro Antenna Lever	1		CH13	RMY75Z	Heat Sink, Transistor (TR13,14)	1	
CA16	RDS9230A	Lever, Gyro Antenna	1			RDG8Z	Gear, Dial	1	
CA17	RHG685Z	Spring, Gyro Antenna Lever	2			XYN26+C5	Screw, Tuning Gang M'tg	2	
CA18	RHR649Z	Rubber, Gyro Antenna	2			XYN26+C6	Screw, Gear M'tg	1	
CA19	RKE116A	Cushion, Gyro Antenna	1			XYN3+C8S	Screw, Power Switch M'tg	1	
CA20	RHG968A	Cover, Whip Antenna	1		CH14	XTN26+8BFZ	Screw, Dial Back Plate & Scale M'tg	1	
CA21	RMA110A	Rubber, Whip Antenna	1			XWG23X6FZ	Washer, Dial Back Plate & Scale M'tg	1	
CA22	XTN3+12B	Bracket, Whip Antenna	1		CH15	XTN3+10B	Screw, Dial Drive M'tg	3	
	XWG3	Screw, Whip Antenna Cover M'tg	1			RUL401Z	Bracket, Dial	1	
CA23	XTN3+10BFZ	Washer, Whip Antenna Cover M'tg	1			XTN3+8B	Screw, Dial Bracket M'tg	1	
CA24	XEART196FBY	Screw, Whip Antenna Cover M'tg	1			XTN3+12B	Screw, Dial Drive M'tg	1	
CA25	RJC206B	Whip Antenna 6.2 $\frac{1}{2}$ 1040mm	2						
CA26	RJC601	Terminal, Battery $\oplus$ Side	2						
CA27	RJT732-2	Spring, Battery $\ominus$ Side	2						
CA28	RJT518Z	Spring Terminal, Dial Light	1						
CA29	RGB164Z	Terminal, Dial Light	1						
CA30	RBC63Z	Badge, P.S.B., FM, AM, Mark	1						
CA31	RBC66A	Button, Dial Light	1						
CA32	RKF197Z	Button, Gyro Antenna Push	1						
CA33	RGT425Z	Cabinet Back Cover Only	1						
CA33	RGT425Y	Name Plate (USA Only)	1						
CA34	RGX615Z	Name Plate (CANADA Only)	1						
CA35	RKK79A	Ornament	1						
CA36	RBN239A	Battery Cover	1						
CA37	RBN240A	Knob, Tuning	1						
CA38	RBN241A	Knob, Tone & Volume	2						
CA39	RBS71AK	Knob, Squelch	1						
CA40	RHR110-1	Knob, Band Selector	1						
CA41	XTB3+60BFN	Spacer, Band Selector Knob	1						
CA42	XTN23+6B	Screw, Cabinet Cover M'tg	4						
CA43	RHS17A	Screw, Spring Terminal M'tg	1						
		Tape, Battery	1						
<b>CHASSIS</b>									
CH1	RYDF877M	(Not Available Order, RYDF877M)	1		CH2	RDD4010Z	Drum, Dial	1	
					CH3	RDT9069Z	Shaft, Tuning	1	
					CH4	RDY31A	Shaft, Pulley	5	
					CH5	RDR21-1	Pulley, Dial	5	
						XUC5	E. Ring, Drum M'tg	1	
						XUC5FY	E. Ring, Tuning Shaft M'tg	1	
						RDZ05A	Cord, Dial (500m)	1 Roll	
						RDS4060A	Spring, Dial Drum	1	
						RDH88Z	Dial Back Plate	1	
						RKD272W	Scale, Dial	1	
						XAMR96T150	Pilot Lamp, Dial Light 6V 100mA	1	
						RHG211	Rubber, Pilot Lamp	1	
						RSM2605B-W	Meter, Tuning & Battery	1	
						RJJ85A-C	Jack, Earphone & DC IN 6V	1	
						RMY75Z	Heat Sink, Transistor (TR13,14)	1	
						RDG8Z	Gear, Dial	1	
						XYN26+C5	Screw, Tuning Gang M'tg	2	
						XYN26+C6	Screw, Gear M'tg	1	
						XYN3+C8S	Screw, Power Switch M'tg	1	
						XTN26+8BFZ	Screw, Dial Back Plate & Scale M'tg	1	
						XWG23X6FZ	Washer, Dial Back Plate & Scale M'tg	1	
						XTN3+10B	Screw, Dial Drive M'tg	3	
						RUL401Z	Bracket, Dial	1	
						XTN3+8B	Screw, Dial Bracket M'tg	1	
						XTN3+12B	Screw, Dial Drive M'tg	1	
<b>ACCESSORIES</b>									
A1	XEAH1A1	Magnetic Earphone 8Q	1		A2	UM-2DE-P	Battery 6V/DC	4	
						RD-9488	AC Adaptor, 120V/AC	1	
<b>SAFETY</b>									
<b>PACKING</b>									
P1	RPP167Z	Polyethylene Cover	1		P2	RPE188Z	Accessory Box	1	
						RPN9146Z	Pad (Complete)	1	
						(Not Available Order, RPN9146Z)	Pad, Left Side	(1)	
							Pad, Right Side	(1)	
						ROX5720Z	Instruction Book	1	
						RQX5745Z	Instruction Book, French (CANADA Only)	1	
						RPG1340Z	Packing Case	1	